

REMARKS

Introduction

Claims 1 and 25 have been amended. The application continues to include claims 1, 12, 15-18, 20-25, and 27-36.

Reconsideration of the rejection of the application is respectfully requested in view of the claim amendments and the following remarks.

The Claims are Allowable because the Prior Art Fails to Disclose that Search Capabilities and Table of Contents are Automatically Updated, the Documentation Content is Integrated with the Help System During the Import, and the Help System is Integrated with an Extension Installation Mechanism of the Integrated Development Environment

Claims 1, 12, 15-18, 21-26, 27-31, and 33-36 were rejected under 35 U.S.C. §103(a) as being unpatentable over Coulthard et al., U.S. Patent Pub. No. 2004/003091 ("Coulthard"), in view of Adams et al. ("Help – Part 1 Contributing a little help"), and Cohen et al., U.S. Patent No. 7,024,658 ("Cohen"). Claims 20 and 32 were rejected under 35 U.S.C. §103(a) as being unpatentable over Coulthard, Adams, and Cohen, and further in view of Chong et al., U.S. Patent Pub. No. 2002/0184610 ("Chong").

Reconsideration of these rejections is respectfully requested because the prior art fails to disclose or suggest, at least, "wherein search capabilities and table of contents are automatically updated to reflect the documentation content after the integrated development environment extension is imported," "wherein the documentation content for the integrated development environment extension is integrated with the help system during the import of the integrated development environment extension," and "wherein the help system is integrated with an extension

installation mechanism of the integrated development environment," as recited in claim 1 and similarly recited in claim 25.

One embodiment of the present invention includes a system that extends an online help system and display when an integrated development environment extension is imported into an integrated development environment. (See, for example, Specification, page 6). An advantage is that it obviates a number of problems associated with extending a development environment and its associated help systems, such as requiring a developer to take a number of manual steps, often in a different environment, or using a different set of tools in the same environment. (See, for example, Specification, pages 1-2). In addition, certain embodiments provide a system in which the integration of the help content of the integrated development environment extension is automatic from the user's and the extension/control developer's points of view. (See, for example, Specification, page 5).

In contrast to embodiments of the present invention, none of the cited prior art is directed to automatically updating search capabilities and table of contents to reflect the documentation content after the integrated development environment extension is imported, integrating the documentation content for the integrated development environment extension with the help system during the import of the integrated development environment extension, and integrating the help system with an extension installation mechanism of the integrated development environment.

Rather, Coulthard merely discloses a help mechanism that allows tools to define and contribute documentation to one or more online help books, such as a user guide or

programmer guide (Coulthard, paragraph 0008). Coulthard, however, makes no mention of automatically updating search capabilities and table of contents to reflect the documentation content after the tool is imported, integrating the documentation content for the tool with the help system during the import of tool, or integrating the help system with an extension installation mechanism of the integrated development environment. In particular, Coulthard does not mention any search capabilities or table of contents, nor does Coulthard disclose how the tool is imported or integrated with the help mechanism disclosed therein.

Coulthard, as mentioned above, only states that, “[t]he Eclipse Help mechanism allows tools to define and contribute documentation to one or more online books...a tool usually contributes help style documentation in a user guide, and API documentation, if any, in a separate programmer guide.” (Coulthard, paragraph 0008). Coulthard clearly does not disclose, however, that search capabilities and table of contents of its Eclipse Help mechanism is automatically updated to reflect the documentation content after the tool is imported. In fact, Coulthard does not appear to mention any type of search capability or table of contents. Similarly, Coulthard fails to disclose integrating the documentation content for the tool with the help system during the import of tool, and integrating the help system with an extension installation mechanism of the integrated development environment.

Embodiments of the present invention, on the other hand, provide a help system that can be integrated with the integrated development environment extension installation mechanism. For instance, when an integrated development environment

extension can be installed, the integrated development environment extension's documentation can be integrated with the help system during the extension installation operation. The help system can also automatically integrate the documentation for a newly installed integrated development environment extension or control into the table of contents and/or search index. (See Specification, paragraph 0011). Coulthard simply does not disclose these features of the claimed invention.

Additionally, Applicants submit that Adams and Cohen do not cure the deficiencies in Coulthard outlined above. Adams discloses that the Eclipse Platform's help system defines two extension points ("toc" and "contexts") that allow individual plug-ins to contribute online help and context-sensitive help for their components. (Adams, page 1). Adams, like Cohen, does not disclose automatically updating search capabilities and table of contents to reflect the documentation content after the tool is imported, integrating the documentation content for the tool with the help system during the import of tool, or integrating the help system with an extension installation mechanism of the integrated development environment. To create a table of contents, Adams discloses that a developer must create a book file, where the book is a table of contents. (Adams, page 3). As such, Adams fails to disclose that the table of contents is automatically updated, as recited in the present claims. Adams also fails to disclose any automatic update of search capabilities, integration of the documentation content during import, and integration of the help system with the extension installation mechanism.

Cohen also fails to cure the deficiencies in Coulthard and Adams. Cohen discloses a help facility for a software application that enables an author to generate help files that specify content to be displayed and an interactive link. (Cohen, Column 2, lines 3-6). Cohen further discloses that the help facility may generate a table of contents based on a traversal of the local file structure, and that the help facility can automatically detect changes in a help file or a new help file. (Cohen, Column 2, lines 26-32). Although, Cohen mentions the capability of generating a table of contents, Cohen does not disclose automatically updating search capabilities and table of contents to reflect the documentation content after the integrated development environment extension is imported. In fact, Cohen does not disclose the importation of any integrated development environment extension.

Furthermore, Cohen, like Coulthard, also fails to disclose or suggest integrating the documentation content for the integrated development environment extension with the help system during the import of the integrated development environment extension, and integrating the help system with an extension installation mechanism of the integrated development environment. As mentioned above, Cohen does not disclose the importation of an integrated development environment extension and, therefore, cannot disclose or suggest that the documentation content for the integrated development environment extension is integrated with the help system during the import and cannot disclose or suggest an extension installation mechanism.

Chong does not cure the deficiencies in Coulthard, Adams, and Cohen. Chong merely discloses the ability to save to a single archive file, such as JAR file. Chong,

however, does not disclose automatically updating search capabilities and table of contents to reflect the documentation content after the integrated development environment extension is imported, integrating the documentation content for the integrated development environment extension with the help system during the import of the integrated development environment extension, and integrating the help system with an extension installation mechanism of the integrated development environment.

Therefore, Coulthard, Cohen, Adams, and Chong, whether considered individually or combined, fail to disclose or suggest, at least, "wherein search capabilities and table of contents are automatically updated to reflect the documentation content after the integrated development environment extension is imported," "wherein the documentation content for the integrated development environment extension is integrated with the help system during the import of the integrated development environment extension," and "wherein the help system is integrated with an extension installation mechanism of the integrated development environment," as recited in claim 1 and similarly recited in claim 25.

For at least the reasons outlined above, independent claim 1, and independent claim 25, which recites similar limitations, are allowable over the cited prior art. The remaining claims depend from one of the above independent claims and should also be allowable for at least the above reasons.

Additionally, Applicants submit that the combination of Coulthard, Adams, Chong, and Cohen fails to disclose or suggest, "wherein the context-sensitive help topics are organized by a context ID," "wherein the context ID is a fully qualified Java class," and

"wherein the context ID is a fully qualified name from a non-Java resource," as recited in claims 15-17 and 28-30. In particular, none of the cited references disclose a context ID for organizing the context-sensitive help topics. As a result, the cited references also do not disclose or suggest that the context ID is fully qualified Java class or a fully qualified name from a non-Java resource.

For at least the above-noted reasons, Applicants respectfully request that the rejections be withdrawn.

Conclusion

Applicant respectfully requests favorable action in connection with this application.

The Examiner is invited and urged to contact the undersigned to discuss any matter concerning this application.

No fee should be required for this submission. However, should any fee be required, the Commissioner is authorized to charge any such fee to Counsel's Deposit Account 50-2222.

Respectfully submitted,

/Majid S. AlBassam/

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Majid S. AlBassam
Attorney for Applicant
Registration No. 54,749

Customer No. 74739
SQUIRE, SANDERS & DEMPSEY LLP
14TH Floor
8000 Towers Crescent Drive
Vienna, Virginia 22182-6212
Telephone: 703-720-7876
Fax: 703-720-7802

MSA:jf